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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/621,222
Filing Date	July 16, 2003
First Named Inventor	Svein Torleif VAAGE
Art Unit	3662
Examiner Name	Ian J. Lobo
Attorney Docket Number	PGS-02-16US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Petroleum Geo-Services, Inc.	
Signature		
Printed name	E. Eugene Thigpen	
Date	September 21, 2005	Reg. No. 27,400

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Typed or printed name	E. Eugene Thigpen	Date	September 21, 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Svein Torleif Vaage, et al.

Art Unit: 3662

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Application No. 10/621,222

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Examiner: Ian J. Lobo

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Filing Date: July 16, 2003

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**Title: METHOD FOR SEISMIC
EXPLORATION UTILIZING
MOTION SENSOR AND
PRESSURE SENSOR DATA**

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Attorney. Docket No: PGS-02-16US

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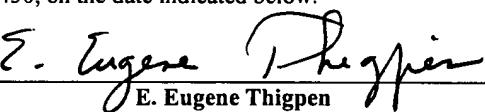
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E. Eugene Thigpen

Date: September 21, 2005

RESPONSE TO OFFICE ACTION

(A) INTRODUCTORY COMMENTS

This letter is in response to the first Office Action, mailed June 22, 2005. A response is due on or before September 22, 2005.

Amendments to the specification are presented below in section (B) Amendments to the Specification and discussed below in Section (D) Remarks.

An Affidavit or Declaration stating that the amended material does not add new matter is included with this response, as per 37 CFR 1.67(b).

Claims 1-40 are pending in the present patent application and all claims are rejected in the Office Action under 35 U.S.C. §103(a). A complete set of claims, including amended claims, are presented below in Section (C) Amendments to the Claims. These amendments and traversal of the claim rejections are discussed below in Section (D) Remarks.

The sections of this response begin on the following pages:

- page 1 (A) Introductory Comments
- page 3 (B) Amendments to the Specification
- page 4 (C) Amendments to the Claims
- page 11 (D) Remarks